

What is Claimed is

1. A warning signal light bar comprising:
 - a) a support having a front and a rear;
 - 5 b) a plurality of light emitting diode assemblies having light emitting diodes engaged to said front and to said rear, said light emitting diodes receiving power from a power source; and
 - c) a controller in electric communication with said light emitting diodes, the controller constructed and arranged to activate said light emitting diodes to
10 produce at least two different types of warning light signals in at least one combination.
2. The warning signal light bar according to claim 1 further comprising a base having an internal enclosure and a circuit board having said controller positioned in said internal enclosure.
- 15 3. The warning signal light bar according to claim 2, said support further comprising opposite ends and an end cap assembly engaged to each of said opposite ends.
4. The warning signal light bar according to claim 3, each of said light emitting diode assemblies comprising a housing, a support, said light emitting diodes engaged to said support, a light pipe, and a cover.
- 20 5. The warning signal light bar according to claim 4, said cover comprising a plurality of light spreaders.
6. The warning signal light bar according to claim 3, said base further comprising a plurality of pockets, a plurality of couplers, and a cover, said couplers electrically connecting said circuit board and said controller to said light emitting diode assemblies.
- 25 7. The warning signal light bar according to claim 3, said light emitting diode assemblies comprising a cover, said cover comprising a plurality of light spreaders.
8. The warning signal light bar according to claim 3, each of said end cap assemblies further comprising a heat sink frame, said heat sink frame comprising a plurality of LED pockets.
- 30 9. The warning signal light bar according to claim 8 further comprising a plurality of LED pocket printed circuit boards having said light emitting diodes, one of said LED pocket printed circuit boards positioned within each of said LED pockets.

10. The warning signal light bar according to claim 9 further comprising a plurality of light pipes, one of said light pipes being positioned within each of said LED pockets proximate to said light emitting diodes.
11. The warning signal light bar according to claim 3, each of said end cap assemblies further comprising a pair of quadrant end cap assemblies.
12. The warning signal light bar according to claim 11, each of said end cap assemblies further comprising a halogen light assembly.
13. The warning signal light bar according to claim 3, each of said end cap assemblies comprising at least one cover, said cover comprising light spreaders.
- 10 14. The warning signal light bar according to claim 11, each of said quadrant end cap assemblies comprising a heat sink frame and a cover.
15. The warning signal light bar according to claim 14, each of said heat sink assemblies comprising a plurality of LED pockets.
16. The warning signal light bar according to claim 14, each of said covers
- 15 comprising light spreaders.
17. The warning signal light bar according to claim 3, each of said end cap assemblies comprising a central pocket and a central pocket circuit board positioned in said central pocket, said central pocket circuit board controlling illumination of light signals from said end cap assemblies.

20